BIOGRAPHICAL SKETCH

NAME: Lindsay Wichers POSITION TITLE: Graduate Student

EDUCATION/TRAINING

Institution	Degree	Year	Field of Study
University of Idaho	B.S.	1998	Environmental Science
University of North Carolina	M.S.P.H.	2002	Env. Science/Toxicology
University of North Carolina	Ph.D.	2005*	Env. Science/Toxicology

*expected date of graduation

PROFESSIONAL EXPERIENCE:

May 1998-July 2000. TerraGraphics Environmental Engineering, Inc. Moscow, ID. Environmental Scientist.

October 2000-present. United States Environmental Protection Agency, ORD/NHEERL/ETD/PTB. Research Triangle Park, NC. Predoctoral Fellow.

PROFESSIONAL SOCIETIES:

American Physiological Society
Society of Toxicology
North Carolina Society of Toxicology

SELECTED AWARDS AND HONORS:

Graduate Traineeship — United States Environmental Protection Agency, NHEERL/UNC Cooperative Training in Environmental Sciences Research. October 2000–present.

Student Travel Award Recipient — Particulate Matter: Atmospheric Sciences, Exposure and the Fourth Colloquium on PM and Human Health (sponsored by the American Association of Aerosol Research). April 2003.

ASSISTANCE/LEADERSHIP PROVIDED TO THE SCIENTIFIC COMMUNITY:

Commission for the Environment. Orange County, NC. Appointed committee member.
January 2003–present.

PUBLICATIONS:

Journal Articles

1. Watkinson, W.P., M.J. Campen, L.B. Wichers, U.P. Kodavanti, and D.L. Costa. Impact of toxic agents or adverse conditions on thermoregulatory function in awake rodents. J. Thermal Biol. 26:331-338, 2001.
2. Watkinson, W.P., M.J. Campen, L.B. Wichers, and D.L. Costa. Cardiac and thermoregulatory responses to inhaled pollutants in healthy and compromised rats — modulation via interaction with environmental factors. Env. Res. 92:35-47, 2003.

Abstracts

1. Watkinson, W.P., M.J. Campen, L.B. Wichers, J.P. Nolan, U.P. Kodavanti, and D.L. Costa. Impact of toxic agents or adverse conditions on thermoregulatory function in awake rodents. Proc Australian Physiol. and Pharmacol. Society 32:168P, 2001.
2. Watkinson, W.P., M.J. Campen, L.B. Wichers, J.P. Nolan, U.P. Kodavanti, M.C.J. Schladweiler, P.A. Evansky, E.R. Lappi, and D.L. Costa. Effects of inhalation of metallic constituents of particulate matter air pollution on cardiopulmonary and thermoregulatory parameters in healthy and compromised rats. 34th World Congress of the International Union of Physiological Sciences; Christchurch, New Zealand, Abstract #963, 2001.
3. Wichers, L.B., J.P. Nolan, U.P. Kodavanti, M.C. Schladweiler, R. Hauser, D.W. Winsett, D.L. Costa, W.P. Watkinson. Effects of instilled residual oil fly ash on indices of cardiac, pulmonary, and thermoregulatory function in spontaneously hypertensive rats. Toxicologist 66(1S):1759, 2002.

4. Watkinson, W.P., L.B. Wichers, J.P. Nolan, U.P. Kodavanti, M.C. Schladweiler, R. Hauser, D.W. Winsett, A.D. Ledbetter, D.L. Costa. Persistence of pulmonary injury following instillation of residual oil fly ash in spontaneously hypertensive rats. Toxicologist 66(1S):LB99, 2002.
5. Stanek, J., Q. Krantz, L. Wichers, J. Nolan, D. Winsett, W. Watkinson, and D. Costa. Role of sensory nerves in the airway and cardiac responses to sulfur dioxide in a guinea pig model. Toxicologist 66(1S):944, 2002.
6. Wichers, L.B., J.P. Nolan, D.W. Winsett, A.D. Ledbetter, U.P. Kodavanti, M.C. Schladweiler, R. Hauser, D.C. Christiaini, D.L. Costa, and W.P. Watkinson. Effects of instillation of residual oil fly ash on cardiac, pulmonary, and thermoregulatory parameters in spontaneously hypertensive rats. Am. J. Respir. Crit. Care Med. 165:A28, 2002.
7. Nolan, J.P., L.B. Wichers, J. Stanek, U.P. Kodavanti, M.C. Schladweiler, P.A. Evansky, E.R. Lappi. Effects of inhalation of soluble metallic constituents of particulate matter on cardiopulmonary, thermoregulatory, and biochemical parameters in guinea pigs. Am. J. Respir. Crit. Care Med. 165:A28, 2002.
8. Watkinson, L.B. Wichers, J.P. Nolan, A.D. Ledbetter, D.W. Winsett, U.P. Kodavanti, M.C.J. Schladweiler, and D.L. Costa. Combustion-derived and ambient air particles induce cardiovascular effects in healthy and susceptible rodents. EPA Science Forum 2002: Meeting the Challenges; Washington D.C., Air Quality Plenary Session Abstract #6, 2002.
9. L.B. Wichers, J.P. Nolan, U.P. Kodavanti, M.J. Schladweiler, D.W. Winsett, D.L. Costa, and W.P. Watkinson. Effects of exposure to concentrated ambient particulates on indices of cardiopulmonary and thermoregulatory function in healthy and monocrotaline-treated sprague-dawley rats. Toxicologist 72(S1):193, 2003.
10. Watkinson, W.P., L.B. Wichers, J.P. Nolan, D.W. Winsett, U.P. Kodavanti, M.J. Schladweiler, L.C. Walsh, E.R. Lappi, D. Terrell, R. Slade, A.D. Ledbetter, D.L. Costa. Concentrated ambient particulate studies in healthy and compromised rodents. Toxicologist 72(S1):192, 2003.
11. Watkinson,W.P., L.B. Wichers, J.P. Nolan, D.W. Winsett, U.P. Kodavanti, M.J. Schladweiler, L.C. Walsh, E.R. Lappi, D. Terrell, R. Slade, A.D. Ledbetter, D.L. Costa. Effects of acute and subchronic exposure to concentrated ambient particulates in healthy and compromised rodents. American Association for Aerosol Research, Particulate Matter: Atmospheric Sciences, Exposure and the Fourth Colloquium on PM and Human Health; Pittsburgh, PA, P03-12.
12. Wichers, L.B., J.P. Nolan, D.W. Winsett, U.P. Kodavanti, M.C.J. Schladweiler, D.L. Costa, and W.P. Watkinson. Effects of actue exposure to concentrated ambient particulates on cardiopulmonary, thermoregulatory, and biochemical parameters in healthy and monocrotaline-treated sprague-dawley rats. Am. J. Respir. Crit. Care Med. 167:A38, 2003.
13. Nolan, J.P., L.B. Wichers, D.W. Winsett, U.P. Kodavanti, M.C.J. Schladweiler, D.L. Costa, and W.P. Watkinson. Effects of acute exposure to concentrated ambient particulates on cardiopulmonary, thermoregulatory, and biochemical parameters in old spontaneously hypertensive rats. Am. J. Respir. Crit. Care Med. 167:A38, 2003.
14. Watkinson, W.P., L.B. Wichers, J.P. Nolan, D.W. Winsett, U.P. Kodavanti, M.C.J. Schladweiler, and D.L. Costa. Effects of subchronic exposure to concentrated ambient particulates in spontaneously hypertensive rats. Am. J. Respir. Crit. Care Med. 167:A38, 2003.